



Kaspa, the world's fastest, open-source, decentralized, and fully scalable Layer-1.

A DAG based multi-leader proof-of-work consensus, powered by the GHOSTDAG protocol, accommodating the largest possible volumes and fastest possible confirmations,

Kaspa is the only decentralized network spacious and performant enough to sequence the world.

Built by industry pioneers, led by the people.

KASPA AT A GLANCE



FAIR LAUNCH DATE
Nov 7, 2021



CONSENSUS
Proof of Work
GHOSTDAG



COMMUNITY GOVERNANCE



TICKER
KAS



BLOCK TIME
0.1 second



MAX SUPPLY
~28.7 B KAS



HASHING ALGORITHM
kHeavyHash



WEB/DESKTOP WALLET



MOBILE WALLET

Google Play

App Store

KASPA FEATURES



FASTEST TRANSACTIONS

Kaspa's BlockDAG technology enables unprecedented transaction speed, creating ~10 blocks every second allowing transactions to be visible in a fraction of second written to the ledger near-instantly.



SCALABLE

The BlockDAG architecture of Kaspa allows handling vast transaction volumes, a unique feature for a truly decentralized proof-of-work network.



SECURITY

Kaspa maintains robust security and decentralization, similar to Bitcoin; enhancing efficiency with the kHeavyHash algorithm.



BLOCKDAG

Kaspa's BlockDAG structure solves the orphan block problem, allowing frequent, parallel block generation and flexible scalability with its unique consensus method.



GHOSTDAG

GHOSTDAG is a consensus protocol that keeps transactions fast, secure, and in a fixed order—even when many blocks are produced in parallel.



INSTANT CONFIRMATION

By creating blocks at a much higher rate than the network delay, confirmations accumulate as fast as the Internet could support", in instant confirmations.



EFFICIENT PROOF-OF-WORK

Kaspa's choice of the kHeavyHash algorithm balances environmental concerns with mining efficiency, avoiding the energy waste of traditional PoW systems, with no wasted energy on orphan blocks.



GENERALIZED NAKAMOTO CONSENSUS

Kaspa's consensus engine (GhostDag) is grounded in the mathematically-proven security of Nakamoto's protocol, resisting centralization while ensuring reliability and security.



PRUNING

Kaspa's pruning strategy maintains a compact BlockDAG, requiring minimal and nearly constant storage hardware, lowering the cost of entry, encouraging decentralization and Inclusivity.



RUST

Kaspa was rewritten from Go to Rust. Rust language emphasizes performance, type safety, and concurrency; enabling Kaspa's overall speed to 10bps. This rewrite was an integral part of Kaspa's goal of reaching 100bps.



CRESCENDO v1.0.0



Crescendo activates features that enable smart contract readiness, enhance MEV resistance, and will enable the network to match Internet-speeds. It lays the groundwork for more scalable, trust-less applications in the real-world.

UPCOMING



SMART CONTRACTS

Layer 2 solutions based on "based ZK-rollups" are being developed: the most advanced smart contract systems known to date.



DAG KNIGHT PROTOCOL

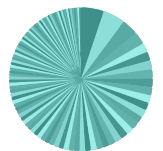
DAGKnight will allow nodes to flexibly interpret the DAG structure, adjusting to varying latency and internet chaos.

TRILEMMA SOLVED



Scalability • Security
Decentralization

WIDE COIN SPREAD



Top 100 addresses
(excluding exchanges)

" I would like Kaspa to be more of a long-term contender for the open financial system, which Ethereum lives in, while keeping faithful to the fundamentals of a Satoshi system.... In a sense, it [Kaspa] aims to implement a vision which once upon a time was Bitcoin's vision."

YONATAN SOMPOLINSKY
Founder



kaspa-kii.org



kaspaecosystemfoundation.org



kaspa.org